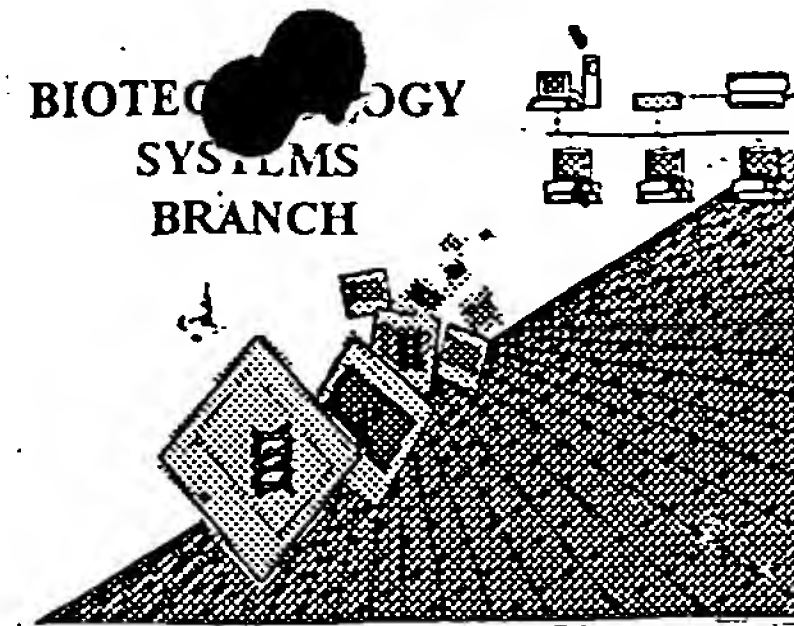


907
Ali

RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



1648, 12/21/01
#10 TBK

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/514,245A

Source:

1600

Date Processed by STIC:

11/14/01

RECEIVED

NOV 29 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

RECEIVED

NOV 29 2001

Raw Sequence Listing Error Summary

TECH CENTER 1600/2900

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/514,245A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☒ **Wrapped Nucleics**
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ **Misaligned Amino**
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ **Variable Length** Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ **PatentIn 2.0**
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ **Skipped Sequences**
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ **Skipped Sequences**
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 ☒ **Use of n's or Xaa's**
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ **Invalid <213>**
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☐ **Use of <220>** Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0**
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

1600

RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/514,245A

TIME: 08:34:14

Input Set : A:\JESTIN2.txt

Output Set: N:\CRF3\11142001\I514245A.raw

**Does Not Comply
Corrected Diskette Needed**

Some Errors on pp 1-5

5 <110> APPLICANT: JESTIN, Andre
 7 ALBINA, Emanuel
 9 Le CANN, Pierre
 11 BLANCHARD, Phillipe
 13 HUTET, Evelyne
 15 ARNAULD, Claire
 17 TRUONG, Catherine
 19 MAHE, Dominique
 21 CARIOLET, Roland
 23 MADEC, Francois
 27 <120> TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS
 28 DISEASE (PWD)
 32 <130> FILE REFERENCE: 065691/0176
 36 <140> CURRENT APPLICATION NUMBER: US 09/514,245A
 C--> 38 <141> CURRENT FILING DATE: 2000-06-26
 42 <150> PRIOR APPLICATION NUMBER: FR 97/15396
 44 <151> PRIOR FILING DATE: 1997-12-05
 48 <160> NUMBER OF SEQ ID NOS: 170
 52 <170> SOFTWARE: PatentIn version 3.0

ERRORED SEQUENCES

928 <210> SEQ ID NO: 5
 930 <211> LENGTH: 1759
 932 <212> TYPE: DNA
 934 <213> ORGANISM: Type A PWD circovirus
 938 <400> SEQUENCE: 5
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 942 120
 944 ttggtacacc ccgccttcag aaaccgttac agatggcgcc gaaagacggg tatcttcaat 180
 946 tcccgccttt ctagagaatt tgtactcacc ataagaggag gacactcgca gccatcttgg 240
 E--> 948 aatgttaacg agctgagatt caacatcggc cagttcctcc cccctcagg cggcaccaac
 949 300
 951 cccctacccc tacctttcca atactaccgt attagaaagg ctaaatatga attttacccc 360
 953 agagacccca tcacctctaa tcaaagaggt gttgggtcca ctggtgttat cttggatgcc 420
 955 aactttgtaa cccctccac caacttgcc tatgaccct atattaacta ctctccgc 480
 E--> 957 cacaccataa ggcagccctt tacctaccac tccaggtact tcaccccaa accagagcta
 958 540
 960 gaccaaacia ttgattggtt ccagccaaat aataaaagaa accagctgtg gctccattta 600
 E--> 962 aatacccaca ccaatgtcga gcacacaggc ctgggctatg cgctccaaa tgcaaccaca
 963 660
 965 gcccaaaatt atgtggttag gttgactatt tatgtacaat tcagagaatt tctctgaaa 720
 967 gacctctaa atgaataaaa ataaaaacca ttacgatgtg ataacaaaa agactcagta 780
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 971 tacctccgtg gattgttctc cagcagtctt ccaaaattgc aaagtagtaa tcctccgata 900

*wrapped
text - see
error summary
sheet,
item 1*

RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/514,245A

TIME: 08:34:14

Input Set : A:\JESTIN2.txt

Output Set: N:\CRF3\11142001\I514245A.raw

211 wrapped text

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975 ggtaatcaaa atactgcggg ccaaaaaagg aacagtaccc cttttagtct ctacagtcaa
976 1020
E--> 978 tggataccgg tcacacagtc tcagtagatc atcccaagggt aaccagccat aaaaatcatc
979 1080
981 caaaacaaca acttcttctc catgatatcc atcccaccac ttattttctac taggcttcca 1140
E--> 983 gtaggtgtcc ctaggtctag caaaattacg ggcccactgg ctcttccac aaccggggcg
984 1200
986 gccactatg acgtgtacag ctgtcttcca atcacgctgc tgcattcttc cgctcacitt 1260
E--> 988 caaaagttca gccagcccgc ggaaatttct cacatacgtt acaggaaact gctcgggtac
989 1320
E--> 991 agtcacaaa gaccccgtct ccaaaagggt actcacagca gtagacaggt cgctgcgctt
992 1380
994 cccttggttc cgcggagctc cacactcgat aagtatgtgg ctttctttac tgcagtattc 1440
996 ttattctgc tggtcggttc ctttcgcttt ctcgatgtgg cagcgggcac caaaatacca 1500
998 cttcaccttg ttaaagttct gcttcttagc aaaattcgca aaccctgga ggtgaggagt 1560
E--> 1000 tctacctct tccaaacctt cctcgccaca aacaaaataa tcaaaaaggg agattggaag
1001 1620
1003 ctcccgattt ttgtttttct cctcctcgga aggattatta aggggtgaaca cccacctctt 1680
1005 atgggggttc gggccgcttt tcttgcttgg cattttcact gacgctgccg aggtgctgcc 1740
1007 gctgccgaag tgcgctggt 1759
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2572 <212> TYPE: DNA
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2582 120
E--> 2584 gtccaccccc gccaccgtta ccgctggaga aggaaaaatg gcattcttcaa caccgcctc
2585 180
E--> 2587 tcccgcacct tcggatatac tgtcaagcga accacagtca gaacgcctc ctgggcgggtg
2588 240
2590 gacatgatga gattcaatat taatgacttt cttccccag gaggggggtc aaacccccgc 300
2592 tctgtgccct ttgaatacta cagaataaga aagggttaagg ttgaattctg gccctgctcc 360
2594 ccgatcacc aggggtgacag gggagtgggc tccagtgtg ttattttaga tgataacttt 420
E--> 2596 gtaacaaagg ccacagccct cacctatgac ccctatgtaa actactctc ccgccatacc
2597 480
2599 ataaccagc ctttctcta ccaactcccg tactttacc ccaaacctgt cctagatttc 540
2601 actattgatt acttccaacc aaacaacaaa agaaaccagc tgtggctgag actacaaact 600
E--> 2603 gctggaaatg tagaccacgt aggcctcggc actgcgttcg aaaacagtat atacgaccag
2604 660
2606 gaatacaata tccgtgtaac catgtatgta caattcagag aatttaattt taaagacccc 720
2608 ccacttaacc cttaatgaat aataaaaacc attacgaagt gataaaaaag actcagtaat 780
2610 ttatttcata tggaaattca gggcatgggg gggaaagggt gacgaactgg ccccttctc 840
2612 ccgtggattg ttctgtagca ttcttccaaa ataccaagga agtaactctc cgataaagag 900
2614 cttctacagc tgggacagca gttgaggagt accattccaa cggggtctga ttgctggtaa 960
E--> 2616 tcagaatact gcgggcaaaa aaaggtagag ttccaccttt agtctctaca gtcaatggat
2617 1020

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RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/514,245A

TIME: 08:34:15

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Output Set: N:\CRF3\11142001\I514245A.raw

E--> 2619 atcgatcaca cagtctcagt agatcatccc agggcagcca gccataaaag tcatcaataa
 2620 1080
 2622 caaccaacttc ttcaccatgg taaccatccc accacttgtt tctaggtggt ttccagtatg 1140
 2624 tggttttccgg gtctgcaaaa ttagcagccc atttgccttt accacaccca ggtggcccca 1200
 2626 caatgacgtg tacattagtc ttccaatcac gcttctgcat ttccccgctc actttcaaaa 1260
 E--> 2628 gttcagccag cccgcggaaa tttctgacaa acggttacagg gtgctgctct gcaacgggtca
 2629 1320
 E--> 2631 ccagactccc gctctccaac aagggtactca cagcagtaga caggtcactc cgttgtccct
 2632 1380
 2634 gagatctagg agctccacac tccatcagta agttgccttc tttactgcag tattctttat 1440
 2636 tctgctgata tgttcctttc gctttctcga tgtggcagcg ggcacccaaa taccacttca 1500
 2638 ctttattaaa agtctgcttc ttcacaaaat tagcgaacct ctggagggtga ggtgttcgctc 1560
 E--> 2640 cttcctcatt accctcctcg ccaacaataa aataatcaaa tagggatatt ggaagatccc
 2641 1620
 2643 gtatttttctt gcgctcgtct tcggaaggat tattcagagt gaacaccacac cttttatggg 1680
 2645 gttgggggtcc gcttcttcca ttcttcttgc tgggcatgtt gctgctgagg tgctgccgag 1740
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 5430 <210> SEQ ID NO: 163
 5432 <211> LENGTH: 1759
 5434 <212> TYPE: DNA
 5436 <213> ORGANISM: Type A PWD circovirus
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 E--> 5444 aagcggcccg caaccccata agaggtgggt gttcacctt aataatcctt ccgaggagga
 5445 120
 5447 gaaaaacaaa atacgggagc ttccaatctc cctttttgat tattttgttt gcggagagga 180
 5449 aggttttgaa gagggtagaa ctctcacct ccaggggttt gcgaattttg ctaagaagca 240
 5451 gacttttaac aaggtgaagt ggtatttttg tgcccgtgc cacatcgaga aagcgaaagg 300
 E--> 5453 aaccgaccag cagaataaag aatactgcag taaagaaggc cacatactta tcgagtgtgg
 5454 360
 5456 agctccgcg aaccagggga agcgcagcga cctgtctact gctgtgagta cctttttgga 420
 5458 gacggggtct ttggtgactg tagccgagca gttccctgta acgtatgtga gaaatttccg 480
 E--> 5460 cgggctggct gaacttttga aagtgagcgg gaagatgcag aagcgtgatt ggaagacagc
 5461 540
 5463 tgtacacgtc atagtgggce cgcccgggtg tgggaagagc cagtgggccc gtaattttgc 600
 5465 tgagcctagg gacacctact ggaagcctag tagaaataag tgggtgggatg gatatactgg 660
 5467 agaagaagtt gttgttttgg atgattttta tggctggtta ccttgggatg atctactgag 720
 5469 actgtgtgac cggtatccat tgactgtaga gactaaaggg ggtactgttc cttttttggc 780
 5471 ccgcagtatt ttgattacca gcaatcaggc cccccaggaa tggtaactct caactgctgt 840
 5473 cccagctgta gaagctctct atcggaggat tactactttg caattttgga agactgctgg 900
 E--> 5475 agaacaatcc acggagggtac ccgaaggccg atttgaagca gtggaccac cctgtgccct
 5476 960
 5478 tttcccatat aaaataaatt actgagtctt ttttgttata acatcgtaat ggtttttatt 1020
 5480 tttatttatt tagagggtct tttaggataa attctctgaa ttgtacataa atagtcagcc 1080
 5482 ttaccacata attttgggct gtggttgcat tttggagcgc atagcccagg cctgtgtgct 1140
 5484 cgacattggt gtgggtatth aaatggagcc acagctgggt tctttttatta tttgggtgga 1200
 5486 accaatcaat tgtttggtcc agctcaggtt tgggggtgaa gtacctggag tggtaggtaa 1260
 E--> 5488 agggctgcct tatggtgtgg cgggaggagt agttaatata ggggtcatag gccaaagtgg

RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/514,245A

TIME: 08:34:15

Input Set : A:\JESTIN2.txt

Output Set: N:\CRF3\11142001\I514245A.raw

all unrepred text

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5489 1320
E--> 5491 tggaggggggt tacaaagttg gcatccaaga taacaacagt ggaccaaca cctctttgat
5492 1380
5494 tagaggtgat ggggtctctg gggtaaaatt catatttagc ctttctaata cggtagtatt 1440
E--> 5496 ggaaaggtag gggtaggggg ttggtgccgc ctgagggggg gaggaactgg ccgatgttga
5497 1500
5499 atttcagcta gttaacattc caagatggct gcgagtatcc tccttttatg gtgagtacaa 1560
5501 attctgtaga aaggcgggaa ttgaagatac ccgtctttcg gcgccatctg taacgggttc 1620
E--> 5503 tgaaggcggg gtgtgccaaa tatggtcttc tccggaggat gtttccaaga tggctgcggg
5504 1680
E--> 5506 ggcgggtcct tcttctgcgg taacgcctcc ttggccacgt catcctataa aagtgaagaa
5507 1740
5509 agtgcgctgc tgtagtatt 1759
5512 <210> SEQ ID NO: 164
5514 <211> LENGTH: 1759
5516 <212> TYPE: DNA
5518 <213> ORGANISM: Type A PWD circovirus
5522 <400> SEQUENCE: 164
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5524 60
E--> 5526 aagcggcccg caaccccata agaggtgggt gttcaccctt aataatcctt ccgaggagga
5527 120
5529 gaaaaacaaa atacgggagc ttccaatctc cctttttgat tattttgttt gcggagagga 180
5531 aggtttggaa gagggtagaa ctctcacct ccaggggttt gctaattttg ctaagaagca 240
5533 gacttttaac aaggtgaagt ggtatttttg tgcccgtgc cacatcgaga aagcgaaagg 300
E--> 5535 aaccgaccag cagaataaag aatactgcag taaagaaggc cacatactta tcgagtgtgg
5536 360
5538 agctccgcgg aaccagggga agcgcagcga cctgtctact gctgtgagta cccttttgga 420
5540 gacggggtct ttggtgactg tagccgagca gttccctgta acgtatgtga gaaatttccg 480
E--> 5542 cgggctggct gaacttttga aagtgagcgg gaagatgcag aagcgtgatt ggaagacagc
5543 540
5545 tgtacacgtc atagtgggcc cgcccggttg tgggaagagc cagtgggccc gtaattttgc 600
5547 tgagcctagc gacacctact ggaagcctag tagaaataag tggtaggatg gatatacatg 660
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5553 tcgcagtatt ttgattacca gcaatcaggc ccccaggaa tggtagtctt caactgctgt 840
5555 cccagctgta gaagctctct atcggaggat tactactttg caattttgga agactgctgg 900
E--> 5557 agaacaatca acggaggtac ccgaaggccg atttgaagca gtggaccac cctgtgcct
5558 960
5560 tttcccatat aaaataaatt actgagtctt ttttgttata acatcgtaat ggtttttatt 1020
5562 tttatttatt tagaggtct tttaggataa attctctgaa ttgtacataa atagtcagcc 1080
5564 ttaccacata attttgggct gtggttgcat tttggagcgc atagcccagg cctgtgtgct 1140
5566 cgacattggg gtgggtatct aaatggagcc acagctggtt tcttttatta tttgggtgga 1200
5568 accattcaat tgtttggtcc agctcaggtt tgggggtgaa gtacctggag tggtaggtaa 1260
E--> 5570 agggctgcct tatggtgtgg cgggaggagt agttaatata ggggtcatag gccaaagtgg
5571 1320
E--> 5573 tggaggggggt tacaaagttg gcatccaaga taacaacagt ggaccaaca cctctttcat
5574 1380
5576 tagaggtgat ggggtctctg gggtaaaatt catatttagc ctttctaata cggtagtatt 1440

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RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/514,245A

TIME: 08:34:15

Input Set : A:\JESTIN2.txt

Output Set: N:\CRF3\11142001\I514245A.raw

E--> 5578 ggaaaggtag gggtaggggg ttggtgccgc ctgagggggg gaggaactgg ccgatgttga
 5579 1500
 5581 atctgaggtg gttaacatgc caagatggct gcgagtatcc tccttttatg gtgattacaa 1560
 5583 attctttaga aaggcggcaa ttgaagatac ccgtctttcg gcgccatctg taacgggttc 1620
 E--> 5585 tgaaggcggg gtgtgccaaa tatggtcttc tccggaggat gttccaaga tggctgcggg
 5586 1680
 E--> 5588 ggcgggtcct tcttctgcgg taacgcctcc ttggccacgt catcctataa aagtgaaaga
 5589 1740
 5591 agtgcgctgc ttagtatt 1759

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/514,245A

DATE: 11/14/2001

TIME: 08:34:16

Input Set : A:\JESTIN2.txt

Output Set: N:\CRF3\11142001\I514245A.raw

L:38 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:941 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:120 SEQ:5
M:254 Repeated in SeqNo=5
L:2581 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:120 SEQ:19
M:254 Repeated in SeqNo=19
L:5441 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:163
M:254 Repeated in SeqNo=163
L:5523 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:164
M:254 Repeated in SeqNo=164